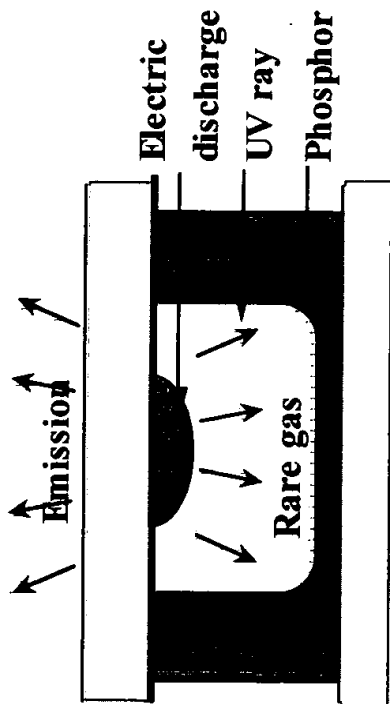


# Principle and Structure of PDP (Plasma Display Panel)

## (Principle of Emission)



Electric discharge in rare gas when applying voltage

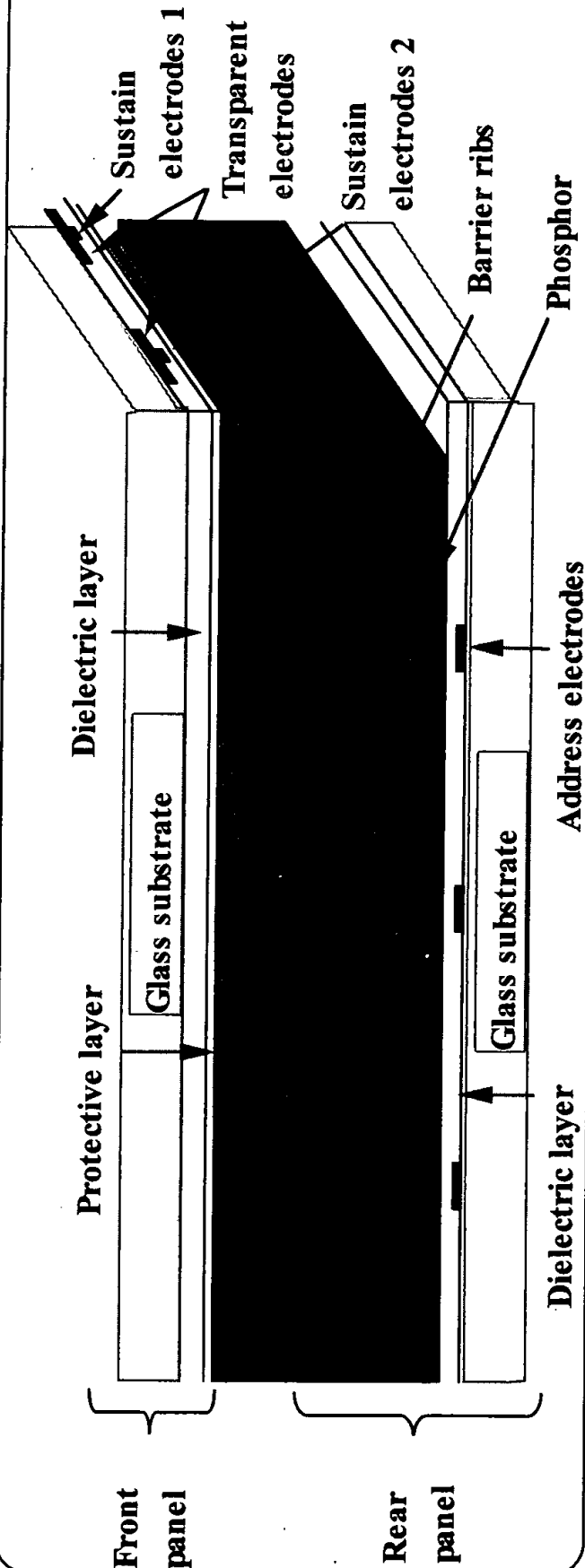


UV ray generation by rare gas excitation

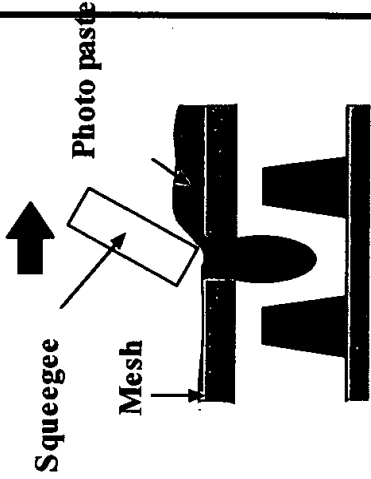
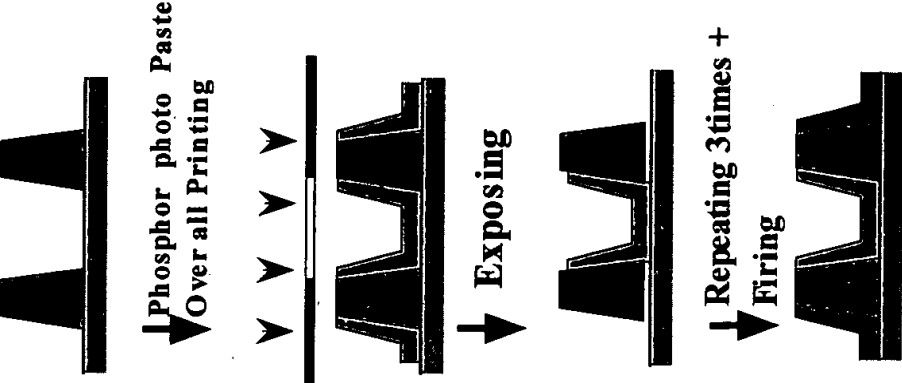
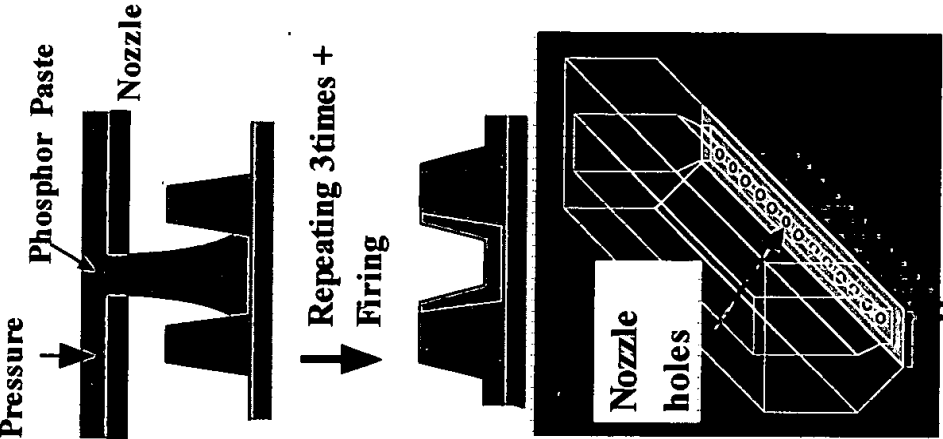


Glow emission from phosphor by UV ray

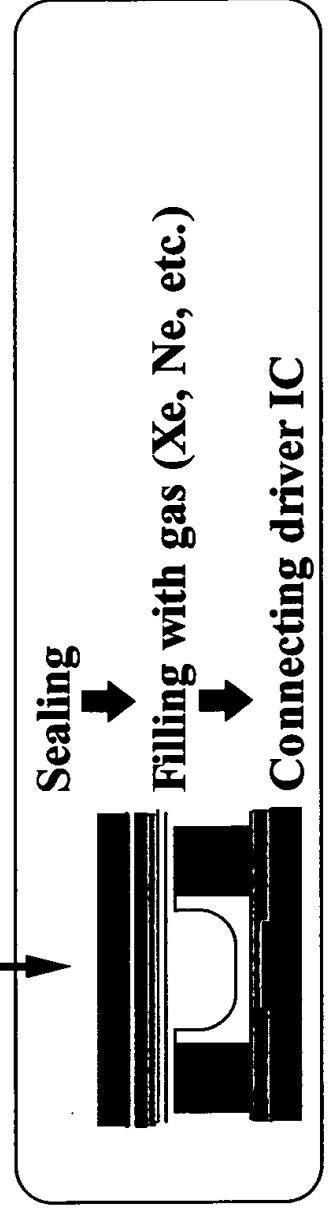
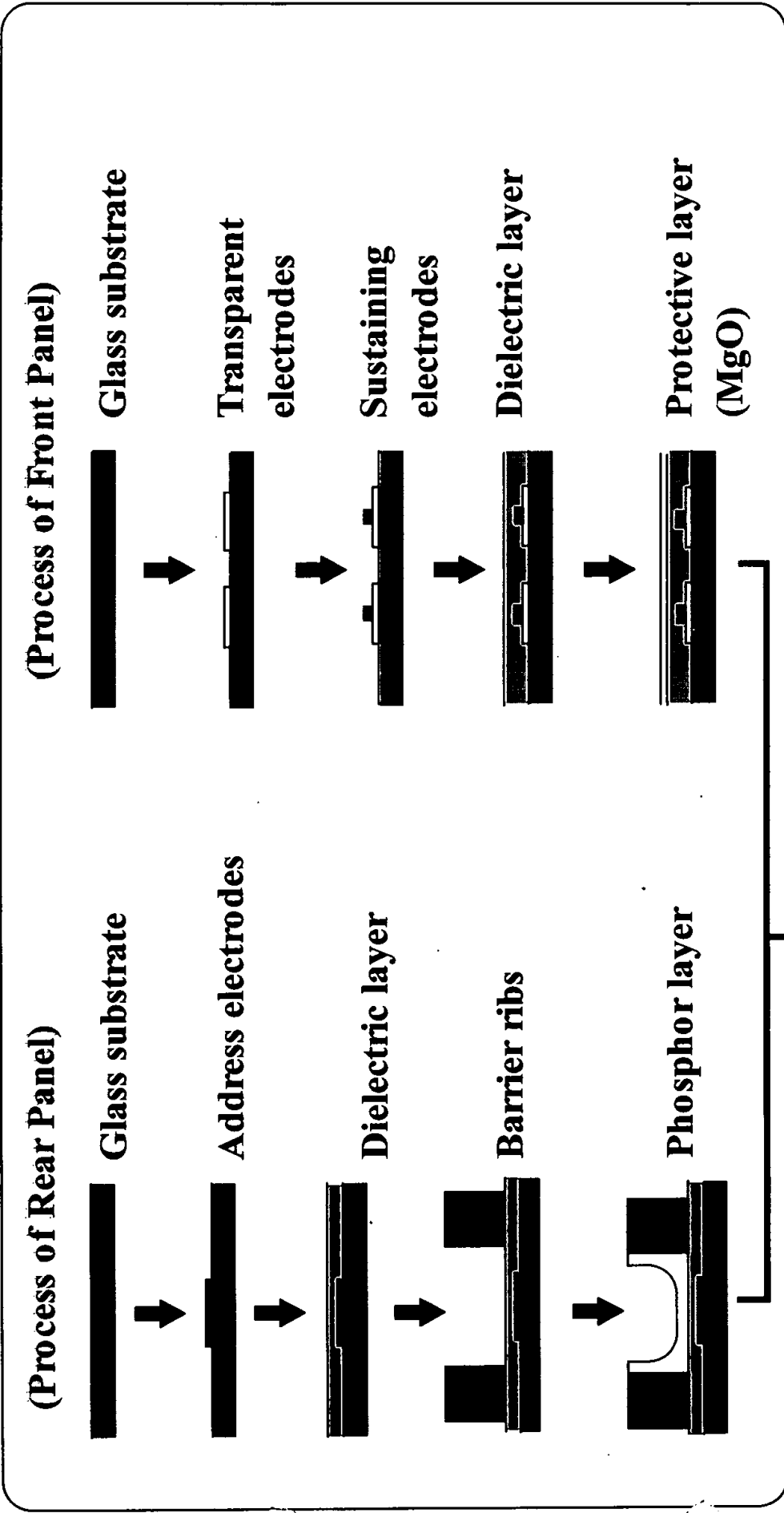
## (Structure of PDP)

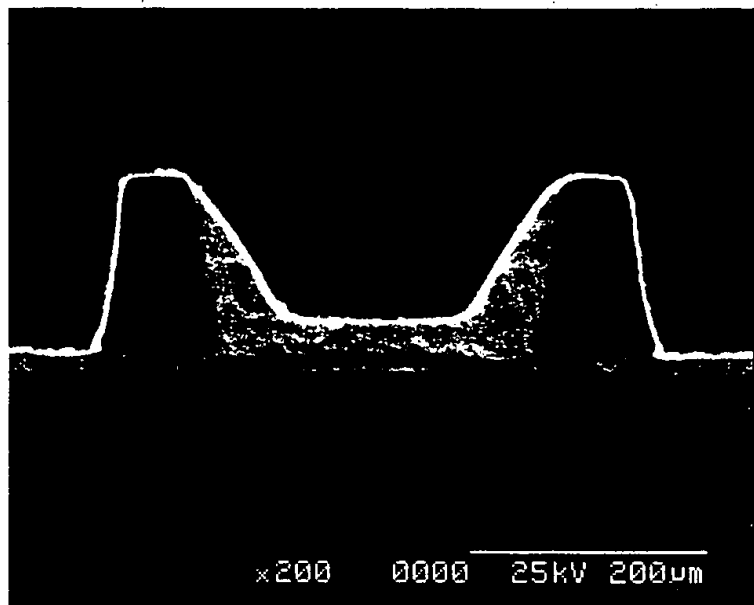


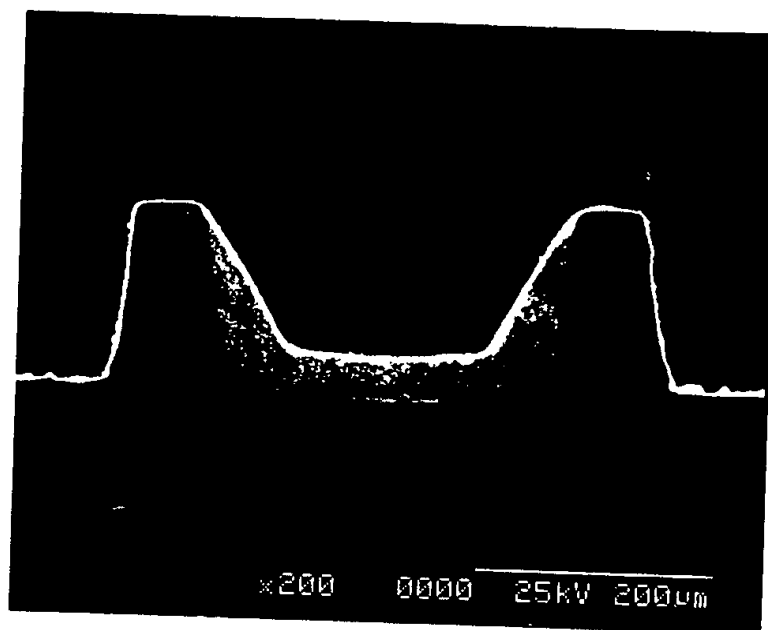
# Phosphor Layer Forming Methods

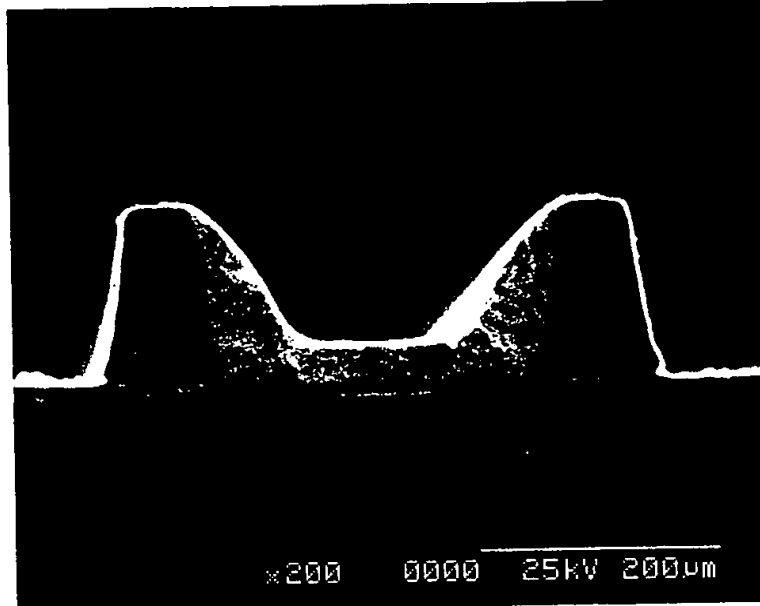
Method	Screen Printing	Photo Paste	Direct Printing
	 <p>Squeegee</p> <p>Photo paste</p> <p>Mesh</p> <p>↓ Repeating 3 times</p>	 <p>↓ Phosphor photo Paste Over all Printing</p> <p>↓ Exposing</p> <p>↓ Repeating 3times + Firing</p>	 <p>Pressure</p> <p>Phosphor Paste</p> <p>Nozzle</p> <p>↓ Repeating 3times + Firing</p> <p>Nozzle holes</p>
High Resolution Paste Loss	Disadvantage	Advantage	Advantage
	Advantage	Disadvantage	Advantage

# Manufacturing Process of PDP









131. 1=10 (MH-101-10) 8.5% 0.67

1.8